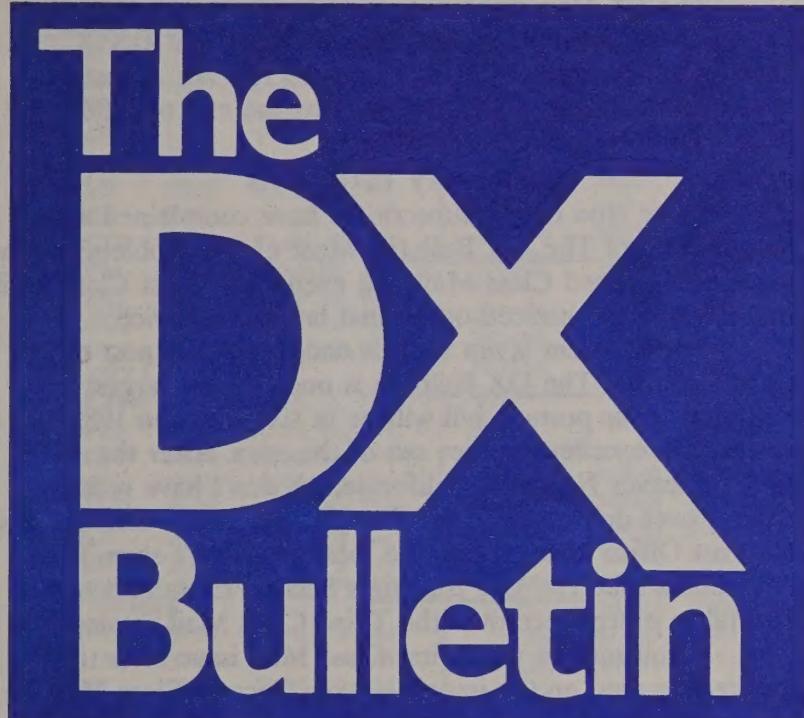


DXpedition News

Marion Island - ZS8 After an absence of almost ten years, Marion Is. **ZS8MI** (AF-21) will come on in April, 1989, for 14 months. Peter Sykora **ZS6PT** will operate SSB and CW, including 6 meters and satellite. QSL managers are **ZS5E** and **WA3HUP**. On HF, Peter will use the rhombic antennas of the weather bureau. Efforts to stage a short-term DXpedition to Marion have gone nowhere in recent years, so a long-term operator is the only way to activate this increasingly rare spot. More details to come.

Niger - 5U Hard on the heels of his highly successful, 11,000-QSO **5UV386** operation, Baldur **DJ6SI** plans to return to Niger Dec. 26, for one week. He'll be on SSB as well as CW, and even RTTY, WARC bands, and 40/80 meters. He's also looking for a better callsign! QSL direct only to **DJ6SI**, with an oversized envelope, as the **5UV386** card is 4"x6".

Edited by Chod Harris **VP2ML**



Nepal - 9N The Japan UNICEF Ham Club will return to Nepal as **9N88C** for their annual excursion, Dec. 25-Jan. 5, 160-6 meters, SSB and CW. QSL to **JH8BKL**.

Laccadives - VU7 The National Institute of Amateur Radio of India plans to return to the Laccadives (AS-11) Dec. 15-March 31. (They originally had permission for Aug. 15-Nov. 30, but were tied up with earthquake and flood relief operations.)

South Shetlands - EA0 Elias **EA4YW** returns to the Spanish Juan Carlos I base on Livingston Is. in the South Shetlands (AN-10) for three months as **EA0BAE**, starting Jan. 10. Try 7007, 14007, or 21007 kHz on CW and 7043, 14233, and 21245 kHz on SSB. QSL P.O. Box 220, 28080 Madrid, Spain.

December 2, 1988

Issue 465

Shortly Noted

- Mike **RA3YG** will operate from Oblast 001 as **RA3YG/RD0D** Dec. 7-14. QSL to Box 5, Bryansk 241000, USSR.
- The Council of Europe will be on as **TP0CE** Dec. 2-4, as follows: 1700Z Dec. 2-0500Z Dec. 3, 1100-1700Z Dec. 3, and 0500-1100Z Dec. 4 on SSB, and 0500-1100Z Dec. 3, 1700Z Dec. 3-0500Z Dec. 4, and 1100-1700Z Dec. 4 on CW. F6FQK and F6GOC are SSB ops, F3CW and F6FSQ are CW ops. QSL SSB QSOs to F6FQK and CW to F6FSQ.
- Jacky **F2CW** operated as **6V6A** in CQWW CW. He plans to go on to Gambia C5 after the test. QSL to his France address.
- **FT5ZB** has left Amsterdam Is. (AF-02). His replacement is **FT4ZE**, who will be on soon. **FT4YC** is the new operator from the French Antarctica base of d'Urville.
- The Colvins are very active as **ZC4ZR** to mid-month. Try 28013 kHz 13-1500Z, and 15M CW 1230-1430Z. QSL Yasme, P.O.Box 2025, Castro Valley CA 94546.
- Mats **SM7PKK** is still on as **A35KK**. Try 7005 kHz 0500Z, 14005 kHz 0430Z, and 28004 kHz 2130Z. QSL **SM7PKK**.
- **RA0BB** is on rare Novaya Zemlya Is. (EU-35). Try 14025 kHz at 0415Z. QSL via **RB5CB**.
- **Z21BA** meets his QSL manager **N5FTR** at 1800Z Mondays and Fridays on 28430 kHz. DX courtesy, please.
- **DX-NL** reports that **PA3BRF/SU** is on from the Sinai. Try 21155 or 28565 kHz at 09-1030Z, or 14107 kHz at 1600Z. He's a newcomer to pile-ups, so go easy.
- Papua-New Guinea now issues **P29V** calls to visitors.
- **JT1BG** says IRCs are worthless in Mongolia, but US\$1 are welcome. (Tnx **DXNS**.)
- Joe Phillips **G3KSK** is back on Ascension Island (AF-03) as **ZD8JP** for six months, on both CW and SSB. QSL to **G3ATK**. (Tnx **DXNS**.)
- **JA2KVD** reports receiving many bureau cards for the KC6 calls he manages: KC6NX, KC6MZ, and KC6SW. Unfortunately the JARL out-going QSL bureau will not forward the return QSLs, so Yasunori asks for direct cards with SASE or SAE and IRCs only, please.
- Regulars (call, frequency or band, UTC): **AH6IQ** 1828-35 1130Z; **5H1HK** 3507 2145Z; **HZ1HZ** 3505 2145Z; **KX6DC** 3507 1110Z; **TU4CO** 3502 2240Z and 7005-10 2300Z; **VK6HD** 3502 21-2200Z; **VK6LK** long path 3797 2130Z; **SU1EE** 7015 0345Z; **VS6DO** 7003 1145Z; **4K0D** 14032 0130Z; **ST2KR** 14010-25 2030Z; **UI9AAB** 20M CW 0230Z; **9N1RN** 14220-40 0300Z; **UI8FM** 20M SSB 0330Z; **9X5AA** 15M CW 2000Z; **VQ9QM** 21035-40 1430Z; **BY4RB** 28033 2330-0030Z; **FK8FN** 10M CW 2000Z; **P29KN** 28595 0100Z; **TR8SA** 28560 2100Z; and **V85RM** 28595 2330Z.
- 20 meter SSB net check-ins: **3DA0AH** HH7PV ZB2GR FH4EE 5H5EF 7X4AN S92LB C6ANI ZD7BJ 3B8FR C53FH and 9J2BO.
- 15 meter SSB net check-ins: **FH8CB** HK0HEU 1Z9B and 6T2MG.
- The DXCC desk is not accepting **5R8VT** nor **W6JUV/YV0** (Aves) cards, pending receipt and review of the appropriate documents.

Propagation

Forecast and Historical Data

| Day | Forecast | 27 Days Before | 55 Days Before |
|-----------------|--------------|-------------------|--------------------|
| <u>December</u> | | | |
| 2 | High Normal | 11/05 169 08/12 2 | 10/08 174 06/13 3 |
| 3 | High Normal | 11/06 165 14/14 2 | 10/09 176 14/22 2 |
| 4 | High Normal | 11/07 155 17/17 3 | 10/10 179 74/103 5 |
| 5 | High Normal | 11/08 146 13/19 3 | 10/11 170 17/27 1 |
| 6 | High Normal | 11/09 156 14/13 3 | 10/12 149 09/16 3 |
| 7 | High Normal | 11/10 152 15/16 2 | 10/13 159 08/15 0 |
| 8 | Above Normal | 11/11 157 07/09 3 | 10/14 151 04/11 1 |
| 9 | High Normal | 11/12 156 17/15 3 | 10/15 150 04/12 2 |
| 10 | Above Normal | 11/13 171 11/09 3 | 10/16 155 06/14 3 |
| 11 | Above Normal | 11/14 179 12/11 3 | 10/17 178 11/19 3 |
| 12 | Above Normal | 11/15 174 10/10 2 | 10/18 162 25/34 2 |

Propagation Watch

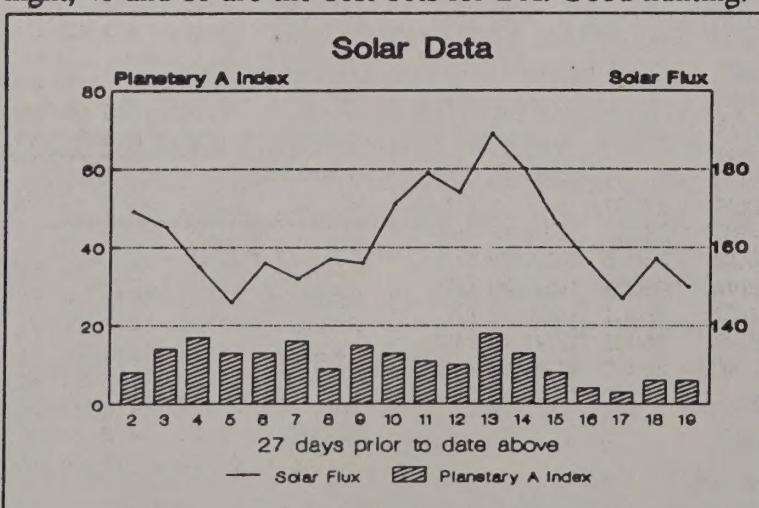
The propagation forecast for the first half of December is very good. The maximum usable frequency (MUF) will tend to be a bit lower than it was earlier this fall, as we approach the winter solstice, but the expected levels of solar flux (150-180) should suffice to keep 10, 12, and 15 meters open during daylight hours. Compared to October and early November, DXers should expect these bands to have weaker signals, fewer long path openings, and to close early: around local sunset, rather than staying open into the evening hours.

Compensating for shorter openings on the higher bands is the beginning of the winter DX season on the lower bands. Several days in a row of extremely low geomagnetic activity in late November provided some excellent conditions on 80 meters, and surprising good conditions on 160 meters, for this early in the season. We can look forward to a return of this quiet stretch around mid-December, but the forecast for the ARRL 160 meter contest this weekend is for average conditions.

Continue to keep an eye on the A index on the 18-minute-after-the-hour transmissions from WWV. Several days in a row of single-digit A index readings usually means good conditions on the lower bands.

The very low planetary A and K indices are also good news for DXers on the higher frequencies. The polar path and the long path (especially on 40 meters) are often available during periods of low geomagnetic activity.

At local sunrise, watch 40-meter long path and 80 meters. In early morning, look to 20 and 15 meters opening to the northeast, followed by 12 and 10 meters. The high bands swing south and west during the day, dying to the northwest around local sunset. Check 40 at local sunset to the east. At night, 40 and 80 are the best bets for DX. Good hunting!



ARRL Increases

Out-Going QSL Bureau Costs

The *ARRL Letter* reports that the cost of forwarding one pound of cards to IARU QSL bureaus overseas will increase, effective February 1, 1989, to \$2.00. The present cost is \$1. This is the first increase in the cost of this valuable member service since its inception in 1976.

The ARRL Out-Going QSL service brought in over \$25,000 in 1987, and incurred direct expenses of just under \$20,000. (These figures do not include the salaries and benefits of the ARRL staff who manage the out-going QSL bureau.)

This out-going bureau continues to be a bargain for confirming routine contacts, contest QSOs, or for answering those ubiquitous eastern European and Russian SWL cards. At about 150 cards per pound, plus the cost of mailing the cards to ARRL Hq., the service ranks second only to the incoming QSL bureau as the last bargain in QSLing.

Make an effort to catch up on your routine QSLing now, and get your cards to ARRL Hq. before Feb. 1, 1989, to save a buck or two.

Wanted: Band Country Totals

The DX Magazine wants your band-country totals for its semi-annual listing. Count confirmed, current DXCC countries only, and send your counts to *The DX Magazine* (same address as *The DX Bulletin*) by the end of 1988 to be included in the Spring, 1989, listing.

Delivery Problems

Some (too many) subscribers have complained about late delivery of *The DX Bulletin*. Most of the problems seem to be with Second Class Mail, but even some First Class Mail subscribers have noticed occasional late mail service.

The problem is not on this end. Our local post office recognizes that *The DX Bulletin* is one of their largest customers (our postage bill will be in six figures in 1989!) and we get excellent service out of the area. After the *Bulletin* leaves Northern California, we don't have much control over delivery, and the flood of Christmas catalogs has the Post Office swamped. Some local POs don't seem to understand that *The DX Bulletin*'s Second Class Newspaper rate takes precedence over the Third Class Mail catalogs.

If you receive your First Class Mail issue later than Friday (the date on the issue), or your Second Class Mail issue later than the Wednesday following, ask your local PO for a "publication watch." It may help. About 99% of all subscribers are getting pretty good service, so the problem is not nation-wide. Up-grades to First Class Mail are available; call or write for details.

By the way, everyone will get Issues 467 and 468 by First Class Mail, as the PO ignores other mail in the Christmas rush.

Telephone Outage

As if spotty mail delivery was not enough to worry about this time of year, on Tuesday, Nov. 22, a wayward automobile sliced off the telephone pole carrying the three lines to *The DX Bulletin* (and 297 other lines.) We were without telephone service for almost two days. There was no indication of problem to anyone who called, only an unanswered ring. Our apologies to anyone who tried to reach us Nov. 22nd or 23rd; we weren't taking a long Thanksgiving vacation, nor ignoring you!

B . A . N . D . P . A . S . S

Key to Bandpass: Callsign, frequency, UTC, day of the month, state. * = long path. P = packet.
All "portable" calls listed with country of operation first, regardless of format used on the air.

| | | | | | | | | | | | | | | | | |
|---------------------|----------------|-------|------|----|--------------------|------------------|-------|------|----|--------------------|---------------------|-----------------|-------|------|----|----|
| RTTY | TU4CO | 7005 | 2235 | 17 | IA | FH8CB | 14250 | 0400 | 13 | MO | RF8F/ | 28017 | 1300 | 23 | FL | |
| 4M5RY | 21091 | 2120 | 12 | OH | UA0YAG* | 7008 | 2236 | 22 | FL | J52US | 14203 | 0142 | 11 | CT | | |
| OK2BRP | 28094 | 1525 | 13 | OH | Zone 23 | | | | | JT1KAA | 14162 | 0346 | 22 | OR | | |
| PP5WB | 28093 | 2138 | 17 | NH | UD6DX | 7001 | 0247 | 18 | WA | KC4AAC | 14250 | 0256 | 14 | NJ | | |
| 160 Meters | UG5G/ | 7006 | 2300 | 21 | FL | LU5EAS/Z | 14248 | 0410 | 19 | VT | South Orkneys | | | | | |
| AH6IQ | 1835 | 1144 | 24 | FL | UA6HPV | | | | | | S79DW | 14200 | 1401 | 13 | MD | |
| D44BC | 1832 | 0647 | 23 | WA | UJ8XDH | 7007 | 1556 | 22 | OR | TZ9AS | 14225 | 0510 | 12 | VT | | |
| J52US | 1827 | 0035 | 23 | TX | UP1BZZ | 7003 | 0632 | 20 | MI | UA1OIL | 14175 | 1226 | 21 | MA | | |
| JR1EBE | 1908 | 1235 | 21 | TX | VS6DO | 7003 | 1145 | 13 | FL | UI8DAT | 14163 | 0339 | 19 | MT | | |
| KC6TO | 1832 | 1149 | 24 | FL | VS6DO * | 7005 | 1155 | 17 | NY | UI8FM | 14172 | 0331 | 17 | MD | | |
| KH6AT | 1833 | 1028 | 25 | FL | ZC4ZR | 7002 | 0655 | 19 | MA | UI8QZ | 14224 | 0135 | 16 | AL | | |
| KX6DC | 1832 | 1523 | 20 | WA | 20 Meter CW | | | | | | UJ8JMM | 14205 | 0223 | 17 | TX | |
| OX3CS | 1834 | 0146 | 23 | MD | 3B8CF | 14033 | 0344 | 12 | VT | VU2AU | 14212 | 0224 | 18 | ON | | |
| VS6DO | 1825 | 1110 | 15 | CT | 3B8DA | 14025 | 0235 | 17 | CA | VU2CK | 14212 | 0115 | 15 | OH | | |
| ZK2AA | 1832 | 1118 | 10 | NY | 3B9FR * | 14028 | 1323 | 16 | PA | YK/ | 14245 | 0320 | 17 | MO | | |
| 80 Meters | 4K0D | 14031 | 0158 | 22 | TN | OE1RUA | | | | | 15 Meter CW | | | | | |
| 5H1HK | 3507 | 2240 | 16 | NH | 4K2YL | 14012 | 2340 | 21 | ID | 4F1BAM | 21016 | 0244 | 18 | MT | | |
| 5N0/ | 3506 | 2130 | 20 | MA | 5H1HK | 14021 | 1517 | 18 | CA | 7X2AX | 21025 | 1915 | 22 | MD | | |
| G3GJQ | | | | | | 5N0SKO | 14028 | 2200 | 15 | PA | 9Q5UN | 21035 | 2225 | 17 | IA | |
| 8Q7MT | 3501 | 213 | 24 | PA | 6W1PM | 14014 | 2125 | 21 | FL | 9X5AA | 21007 | 2040 | 16 | CA | | |
| EA8BTO | 3502 | 0148 | 14 | FL | 7X2FK | 14029 | 2100 | 20 | FL | A35KK | 21005 | 2059 | 22 | IL | | |
| EA8XI | 3505 | 2212 | 25 | FL | 9Q5DX | 14008 | 0054 | 20 | DL | BY4WNG | 21025 | 0130 | 15 | MI | | |
| EA9EA | 3507 | 2235 | 25 | FL | 9V1OK * | 14014 | 2044 | 21 | FL | HV3SJ | 21004 | 1152 | 13 | FL | | |
| F5IN | 3506 | 0600 | 19 | WA | A35KK | 14001 | 0432 | 19 | CA | OY7ML | 21024 | 1220 | 15 | MA | | |
| HZ1HZ | 3503 | 2140 | 19 | MA | AP2HA | 14022 | 0330 | 18 | MT | PZ1AV | 21006 | 2000 | 13 | MI | | |
| KC6CS | 3506 | 1140 | 24 | PA | D44BC | 14034 | 0026 | 18 | PA | RL7RBU | 21026 | 1246 | 24 | FL | | |
| KX6DC | 3507 | 1110 | 19 | NH | D68JL | 14023 | 0343 | 22 | TN | RT0UN | 21021 | 1413 | 20 | CT | | |
| OY7ML | 3501 | 2245 | 18 | NH | FH5EF | 14031 | 2156 | 26 | FL | ST2/ | 21025 | 1950 | 18 | MA | | |
| PY7VB | 3502 | 2302 | 14 | NH | FR4FA/J | 14035 | 0410 | 17 | CA | PA0GAM | | | | | | |
| SU1EE | 3502 | 0435 | 21 | CT | HZ1AB | 14011 | 0521 | 20 | OR | UC8C/ | 21026 | 1427 | 24 | FL | | |
| TU4CO | 3501 | 2240 | 18 | NH | HZ1AB | 14011 | 1530 | 20 | CA | UC2ABA | | | | | | |
| UA0FM | 3508 | 1134 | 20 | PA | J28CW | 14031 | 2020 | 20 | MA | UG5G/ | 21032 | 1407 | 24 | FL | | |
| UA0IAS | 3504 | 1530 | 15 | WA | J52US | 14024 | 2315 | 14 | FL | UA6HPV | | | | | | |
| UA0ZCJ | 3505 | 2328 | 19 | NH | KC6TO | 14024 | 0310 | 22 | CA | UI9ABL | 21024 | 1238 | 24 | FL | | |
| UB9J/ | 3512 | 2219 | 22 | FL | OY7ML | 14026 | 1225 | 18 | MA | UJ8XDH | 21023 | 1307 | 24 | FL | | |
| UW3UO | | | | | | RA0BB | 14025 | 0415 | 22 | OR | VQ9QM | 21040 | 1430 | 20 | MO | |
| UL8CWW | 3512 | 2125 | 12 | MA | RH8AA | 14024 | 0540 | 14 | CA | VQ9QM | 21025 | 1758 | 20 | CT | | |
| VK6HD | 3503 | 2120 | 16 | MA | SJ9WL | 14037 | 0530 | 19 | MA | VS6WU | 21018 | 1326 | 14 | MA | | |
| VQ9QM | 3506 | 2139 | 13 | MA | ST2/ | 14025 | 1955 | 21 | TN | ZC4ZR | 21006 | 1232 | 18 | MA | | |
| VS6DO | 3502 | 1145 | 20 | NH | PA0GAM | | | | | | ZD8JP | 21027 | 2146 | 19 | CT | |
| YJ8NJS | 3505 | 1138 | 18 | NH | 75 Meters | | | | | | 15 Meter SSB | | | | | |
| ZD8JP | 3501 | 2242 | 20 | PA | ST2KR | 14016 | 2031 | 23 | FL | A22RB | 21237 | 1945 | 16 | MA | | |
| ZS6BK | 3511 | 1128 | 19 | PA | SU1EE | 14033 | 0130 | 18 | CA | J42COT | 21246 | 1710 | 16 | PA | | |
| 40 Meters | SU1EE * | 14033 | 0220 | 18 | TN | T20AA | 14030 | 1126 | 17 | NY | JT1KRS | 21300 | 0105 | 15 | OH | |
| 7P8EH | 7044 | 1920 | 6 | EU | TF3WW | 14020 | 0230 | 20 | DL | S83H | 21221 | 1949 | 22 | PA | | |
| 7X4AN | 7004 | 2326 | 13 | NY | UA1O/ | 14023 | 2305 | 19 | MN | VR6TC | 21349 | 0046 | 16 | MD | | |
| 9V1VS | 7007 | 1130 | 16 | CT | UA0BDU | Franz Josef Land | | | | | Z21ITU | 21345 | 2026 | 18 | FL | |
| A35KK | 7001 | 0520 | 21 | MT | UA1OIL | 14007 | 0212 | 14 | FL | 12 Meters | | | | | | |
| A35KK | 7005 | 1244 | 23 | MD | UA1OIL | 14005 | 1222 | 26 | FL | BY4WNG | 24905 | 0012 | 6 | FL | | |
| D44BC | 7004 | 0550 | 22 | WA | UI8AFD | 14026 | 0243 | 18 | NH | HK4CZE | 24902 | 1600 | 13 | NH | | |
| EA6ZY | 7004 | 0719 | 8 | NH | UI8QU * | 14028 | 1220 | 22 | FL | LX2KQ | 24950 | 1531 | 20 | VA | | |
| EA9EA | 7002 | 2311 | 21 | FL | UI9AAB | 14037 | 0230 | 23 | MO | T77T | 24973 | 1548 | 20 | VT | | |
| HL1XP | 7012 | 2141 | 4 | EU | UI9ACQ | 14020 | 0211 | 22 | FL | 10 Meter CW | | | | | | |
| J52US | 7005 | 2155 | 14 | MA | UI9ACQ * | 14030 | 0130 | 16 | CA | 8R1J | 28035 | 2209 | 19 | MN | | |
| JX1UG | 7044 | 1949 | 6 | EU | UJ8XDH | 14020 | 0232 | 17 | CA | 9Q5DX | 28029 | 1914 | 20 | PA | | |
| KC6JC | 7188 | 1045 | 13 | FL | UL7JEG | 14006 | 0220 | 20 | NH | 9X5AA | 28015 | 1317 | 20 | FL | | |
| KC6TO | 7005 | 1121 | 23 | MD | UZ0YWA | 14009 | 0130 | 18 | FL | A35KK | 28004 | 2120 | 19 | IA | | |
| KX6DS | 7001 | 0745 | 19 | MA | VQ9QM | 14027 | 1810 | 20 | MN | AP2UR | 28021 | 1236 | 18 | MA | | |
| OX3SG | 7095 | 0840 | 19 | PA | VQ9QM | 14018 | 0150 | 21 | OR | BV2DA | 28011 | 0101 | 18 | MN | | |
| OY7ML | 7006 | 2155 | 21 | FL | VU2DS | 14012 | 0245 | 17 | CA | BY1BJ | 28031 | 0019 | 21 | MN | | |
| OY9JD | 7084 | 0919 | 21 | PA | VU2SU * | 14027 | 0150 | 19 | CA | BY4RB | 28034 | 2328 | 20 | CT | | |
| RA0LDX * | 7001 | 2229 | 22 | FL | VU3KMK | 14025 | 0123 | 11 | CT | C30LBT | 28006 | 1820 | 13 | CA | | |
| RV0YF | 7006 | 1240 | 22 | IA | ZC4ZR | 14018 | 1254 | 15 | CT | D44BC | 28036 | 1235 | 18 | MA | | |
| SU1EE | 7018 | 0342 | 22 | MD | ZD8IAN | 14003 | 0140 | 15 | CA | FK8DD | 28025 | 0020 | 26 | FL | | |
| TA1AZ | 7009 | 0031 | 21 | FL | | | | | | FK8FN | 28008 | 1952 | 20 | CT | | |
| 20 Meter SSB | 3DA0AH | 14217 | 0408 | 18 | WY | HB0CZS | 28001 | 1458 | 12 | CT | HZ1AB | 28022 | 1350 | 13 | MO | |
| 20 Meter SSB | 5V7WD | 14216 | 0340 | 12 | CT | KG4XO | 28025 | 2128 | 19 | MN | KX6HE | 28018 | 0029 | 16 | TN | |
| 20 Meter SSB | 5Z4LL | 14190 | 0421 | 18 | MT | OY1R | 28030 | 1347 | 20 | PA | OY1R | 28013 | 2225 | 23 | FL | |
| 20 Meter SSB | 6T2MG | 14163 | 2303 | 14 | MD | PZ1DV | | | | | | 6 Meters | | | | |
| 20 Meter SSB | 9N1RN | 14221 | 0315 | 15 | TN | Novice | Band | | | | | VE1ZZ | 50120 | 2012 | 19 | VA |
| 20 Meter SSB | AP2MB * | 14212 | 1248 | 15 | MA | EA4AJE | 21131 | 1422 | 24 | FL | F6IJL | 21123 | 1411 | 24 | FL | |
| 20 Meter SSB | CE9A | 14206 | 0318 | 19 | OR | G0IHL | 12128 | 1417 | 24 | FL | PA3EVY | 21122 | 1419 | 24 | FL | |
| 20 Meter SSB | | | | | | SM3AJL | 21128 | 1416 | 24 | FL | WP4GGJ | 21124 | 1415 | 24 | FL | |
| 20 Meter SSB | | | | | | YC0IPD | 21124 | 1412 | 24 | FL | YU2CCJ | 21120 | 1415 | 24 | FL | |

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(ISSN 0279-8077) is published fifty times per year at
P.O. Box 50, Fullerton, CA 95439 (707) 523-1001.
One-year subscription rates are: \$29 Second Class
Mail, \$38 First Class Mail, US\$50 Foreign Airmail.
Second-class postage paid at Santa Rosa, CA.
POSTMASTER: Send address changes to The DX
Bulletin, P.O. Box 50, Fullerton, CA 95439.

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Calendar

Issue 465 - December 2, 1988

(Changes and hot info in boldface.)

| | | | | | | |
|-----------------------------|-----------------------------|------|--|--------------------------------|-------------|--|
| Algeria - 7X | 7X4AN 21010 kHz 2200Z | I460 | Rodriquez - 3B9 | 3B9FR 14020-25 0250Z | I456 | |
| Antarctica | KC4AAA 14240-250 04-0600Z | I463 | Rwanda - 9X | 9X5AA 15M CW 2000Z | I465 | |
| Antigua - V2 | FT4YC soon | I465 | Saudi Arabia - HZ | HZ1AB, HZ 10M CW 14-1500Z | I459 | |
| Bahrain - A9 | V21LJ Nov. 17-Dec. 3 | I458 | South Shetlands | HZ1HZ 3505 kHz 2145Z | I465 | |
| Brunei - V85 | A92BE 10 M SSB 1400Z | I459 | Sovereign Bases ZC4 | EA0BAE Jan 10-Apr 10 | I465 | |
| Central African | V85RM 28595 2330Z | I465 | Sri Lanka - 4S | 7 up on CW, 7043, 14233, 21245 | I465 | |
| Chagos - VQ9 | TL8TG on CW by 9Q5NW soon | I460 | Sudan - ST | ZC4ZR Yasme Now-Dec 16 | I461 | |
| China - BY | TL8HW 15M SSB 1900Z | I464 | Tanzania - 5H | 4S7CF 14003-6 0120Z | I461 | |
| Congo - TN | VQ9QM 21035-40 1430Z | I465 | Tonga - A3 | 4S7WP 20M CW 00-010Z | I461 | |
| Council of Europe | BY4RB 28033 kHz 2330-0030Z | I465 | Turkoman - UH | PA0GAM/ST back on the air | I464 | |
| Egypt - SU | TN4NW Nov-Dec. CW, too | I456 | United Nations | ST2KR 14010-25 kHz 2030Z | I465 | |
| Franz Josef Land | TP0CE Dec. 2-4 | I465 | US Virgin Islands | 5H1HK 3507 2145Z | I465 | |
| Gabon - TR | SU1EE on CW 14040 0500Z | I463 | Uzbek - UI8 | SM7PKK now 14005 0430Z | I465 | |
| Guinea-Bissau - J5 | 7015 kHz 0345Z | I465 | Zaire - 9Q | 7005 0500Z, 28004 2130Z | I461 | |
| Hong Kong - VS6 | UA1OIL 14165 kHz 12-1300Z | I460 | | RH8AO 14025 03-0400Z | I461 | |
| Iran - EP | TR8SA 28560 kHz 2100Z | I465 | | UA9AHA 20M SSB 03, 1600Z | I461 | |
| Ivory Coast - TU | J52US 14210-15 0100Z | I459 | | 4U1UN 2200Z Friday CW | I457 | |
| Jan Mayen - JX | VS6DO 7003 kHz 1145Z | I465 | | KP2A in CQ 160M | I461 | |
| Juan Fernandez - CE0 | 14156 kHz 15-1600Z | I463 | | UI9AAB 20M CW 0230Z | I465 | |
| Kerguelen - FT-X | TU4CO 7010 2330, 3502 2240Z | I464 | | UI8FM 20M SSB 0330Z | I465 | |
| Laccadives - VU7 | JX1UG to March | I457 | | 9Q5DX 14015 2230-2330Z | I464 | |
| Little Cayman - ZF8 | PY1DFF CW Dec. 2-8 | I462 | DX Activities and Contests | | | |
| Macquarie - VK0 | FT2XE 14055 kHz 1100Z | I449 | <u>Date</u> | <u>Event or Activity</u> | <u>Info</u> | |
| Marion Is. ZS8 | Dec. 15-March 30 | I465 | Dec. 2-4 | ARRL 160 Meter Contest | <u>QST</u> | |
| Marshall Is. - KX6 | ZF2ME/ZF8 Nov. 27-Dec. 3 | I462 | Dec. 10-11 | ARRL 10 Meter Test | <u>QST</u> | |
| Mauritius - 3B | VK0GC, VK0IC, VK0DS on now | I461 | Dec. 31 | DXCC Golden Jubilee deadline | <u>QST</u> | |
| Mayotte - FH | ZS8MI April 1989 | I465 | Jan. 7-8 | ARRL RTTY Contest | <u>QST</u> | |
| Mellish Reef - VK9 | KX6DC 1824-33 1030-12Z | I461 | Jan. 27-29 | CQWW 160 Meter Contest | <u>CQ</u> | |
| Minami Torishima | 3507 1110Z | I465 | Contributors | | | |
| Mongolia - JT | 3B8CF 14033 kHz 0230Z | I463 | This Issue of <u>The DX Bulletin</u> would not have been possible without the invaluable assistance of the following: | | | |
| Montserrat - VP2M | 7004 1400-1430Z | I464 | KH6BZF, SESC, AB8K, AG4S, K0CVD, K0DEQ, K1MEM, K2EK, K2UFM, K4MF, K6IR, K7ABV, KA1BSZ, KA4YAE, KA7T, KC3M, KD7SO, KE7X, KI8W, KJ4BK, KJ4GK, KQ3S, KU0S, KV4AM, N1CIX, N1DYI, N1HN, N4MM, N4XR, N6IBP, N9GMM, NX7K, OK3CDV, VE3NN, W1BFT, W1CYB, W1FV, W1HH, W1NG, W1NH, W3HCW, W3MFW, W4PSV, W4VQ, W5FIX, W6AUG, W6MUS, W6QX, W6UQF, W7AWA, W9RXJ, WA1WTP, WA9AQE, WB3AVN, WB8SFF, WB8ZRL, WC5Q, WC6I, WF4G, WS7W, WW4Q, W0BL, KQ3S, KB9FV, ZS6BBY, JA1ELY | | | |
| Mozambique - C9 | FY8CB 28543 kHz 2000Z | I461 | <u>Japan DX News</u> , NIAR, EA4DPK, W6CF, F6FQK, AE6H, WW6D, JA2KVD, DXNS, DX-NL, and the NCDXC. Thanks for your help! -ed. | | | |
| Nepal - 9N | by VE3IEO Jan 6-16 | I464 | | | | |
| New Caledonia - FK | JH7EAY/JD1 for six months | I464 | | | | |
| Niger - 5U | JT1BG 15M SSB 0030Z | I463 | | | | |
| Papua New Guinea | VP2M/ND3A ARRL 10M test | I462 | | | | |
| Revillagigedo - XF | C9MKT Dec. 9-11, 21295 16Z | I458 | | | | |
| | 9N88C Dec. 25-Jan 5 | I465 | | | | |
| | 9N1RN 14220-40 kHz 0300Z | I465 | | | | |
| | FK8FN 10M CW 2000Z | I465 | | | | |
| | TU4BR/5U7 14047 23Z | I452 | | | | |
| | and 21050-65 kHz 2230Z | I465 | | | | |
| | by DJ6SI Dec. 26-Jan 1 | I465 | | | | |
| | P29KN 28595 0100Z | I465 | | | | |
| | XF4C Dec. 15-20 SSB | I455 | | | | |